Clinical Trial Protocol
Iranian Registry of Clinical Trials

16 Sep 2026

Comparison of the effect of adjunctive low dose doxycycline with Omega-3 fatty acid and low-dose Aspirin in chronic periodontitis

Protocol summary

Summary

Aims: Comparing the effect of adjunctive low dose doxycycline with Omega-3 fatty acid and low-dose Aspirin in chronic periodontitis Study design: Interventional, Double blind, Placebo usage, Uni-center. a- Study population: With age limit, no sex limit. Inclusion criteria: chronic mild to moderate periodontitis. Exclusion criteria: Patients with any infectious or systemic diseases; no drug usage at all; pregnant, breast feeder patients; patients allergic to antibiotics; no scaling and root planning or periodontal surgeries in the last six months; no usage of antibiotic drugs during the last six months; Smokers, alcoholics; patients with poor oral hygiene or patients with poor compliance Sample size:45 patients b- Intervention/Control: Intervention: One 20mg Capsule of Doxycycline per day Intervention: One 400mg Tablet of Omega-3 fatty acid and one 80mg Tablet of Aspirin per day Control: One Placebo Capsule per day Time of intervention: 6 weeks. Primary or under study outcome measures: Clinical pocket depth, Bleeding on probing, Clinical attachment loss

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2013022511771N4**
Registration date: **2013-03-09, 1391/12/19**
Registration timing: **retrospective**

Last update:
Update count: **0**

Registration date

2013-03-09, 1391/12/19

Registrant information

Name

Shirin Zahra Farhad

Name of organization / entity

Khorasgan Islamic Azad Dental School (Isfahan)

Country

Iran (Islamic Republic of)

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Recruitment status

Recruitment complete

Funding source

Khorasgan Islamic Azad Dental School

Expected recruitment start date

2012-05-21, 1391/03/01

Expected recruitment end date

2012-11-21, 1391/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Comparison of the effect of adjunctive low dose doxycycline with Omega-3 fatty acid and low-dose Aspirin in chronic periodontitis

Public title

comparison of doxycycline effect with Omega-3 fatty acid and low-dose Aspirin in chronic periodontitis

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: chronic mild to moderate periodontitis. Exclusion criteria: Patients with any infectious or systemic diseases; no drug usage at all; pregnant, breast feeder patients; patients allergic to antibiotics; no scaling and root planning or periodontal surgeries in the last six months; no usage of antibiotic drugs during the last six

months; Smokers, alcoholics; patients with poor oral hygiene or patients with poor compliance

Age
From **25 years** old to **45 years** old

Gender
Both

Phase
N/A

Groups that have been masked
No information

Sample size
Target sample size: **45**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Double blinded

Blinding description

Placebo
Used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee
Islamic Azad Dental School Khorasgan Branch, (Isfahan), Iran

Street address
Islamic Azad University Khorasgan (Isfahan) Branch, University Boulevard, Arghavanieh, Eastern Jay Street, Isfahan, Iran.

City
Isfahan

Postal code

Approval date
2012-01-28, 1390/11/08

Ethics committee reference number
90110808904

Health conditions studied

1

Description of health condition studied
Chronic Periodontitis

ICD-10 code
K05.3

ICD-10 code description
Chronic periodontitis

Primary outcomes

1

Description
periodontal pocket depth

Timepoint
0 and 6 weeks

Method of measurement
By means of a periodontal probe per milimeters

2

Description
Bleeding on probing

Timepoint
0 and 6 weeks

Method of measurement
Observational with negative or positive

3

Description
Clinical attachment loss

Timepoint
0 and 6 weeks

Method of measurement
By means of a periodontal probe per milimeters

Secondary outcomes

empty

Intervention groups

1

Description
Intervention: One 20mg Capsule of Doxycycline per day

Category
Treatment - Drugs

2

Description
Intervention: One 400mg Tablet of Omega-3 fatty acid and one 80mg Tablet of Aspirin per day

Category
Treatment - Drugs

3

Description
Control: One Placebo Capsule per day

Category
Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Khorasgan Islamic Azad Dental School (Isfahan)
Full name of responsible person
Shirin Zahra Farhad
Street address
Department of Periodontics, Young Researchers Club, Khorasgan Branch, Islamic Azad Dental School (Isfahan), Iran
City
Isfahan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
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Full name of responsible person
Shirin Zahra Farhad
Street address
Periodontics Department of Islamic Azad University Khorasgan (Isfahan) Branch, University Boulevard, Arghavanieh, Eastern Jay Street, Isfahan, Iran.
City
Isfahan
Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Islamic Azad University Khorasgan Branch (Isfahan)
Proportion provided by this source
100
Public or private sector
empty
Domestic or foreign origin
empty
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
empty

Person responsible for general inquiries

Contact
Name of organization / entity
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Assistant Professor of Periodontics
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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)
empty

Study Protocol
empty
Statistical Analysis Plan
empty
Informed Consent Form
empty
Clinical Study Report
empty
Analytic Code
empty
Data Dictionary
empty